



WISCONSIN AGRICULTURAL STATISTICS SERVICE

P.O. Box 8934 Madison, WI 53708-8934

In cooperation with WI Department of Agriculture, Trade and Consumer Protection



February 2003

2002 Potato Size and Grade Summary

The following information was obtained as part of the 2002 Potato Objective Yield Survey conducted in Idaho, Maine, Minnesota, North Dakota, Oregon, Washington, and Wisconsin. The Wisconsin Agricultural Statistics Service would like to thank all potato growers who allowed field representatives to gather information on their potato crop and dig samples in their fields. We sincerely appreciate it.

The potato objective yield program has been conducted annually for over 30 years, but this is the first year that Wisconsin has been involved in a size and grade survey. There were 150 samples located in randomly selected potato fields throughout the state. Each sample consisted of two 20-foot units, which had the eighth, ninth, and tenth hills dug by hand. The potatoes from these hills were then sent to the Hancock Research Station where State Inspectors graded the potatoes.

The samples consisted of red, white, and russet potato varieties. There were not enough samples of red potatoes to publish reliable data for Wisconsin. The inspectors included any potato with a diameter less than 1 7/8 inches as a cull potato. Other states included some of these potatoes as "processing usable." This will help explain why Wisconsin had such a high percentage of cull potatoes.

Round White Potatoes, Size Categories 1/ 2002 Crop

Size	ME 2/	MN	ND	WI
Percent				
1 1/2" - 1 7/8 "	3.9	4.7	3.8	5.8
1 7/8" - 2"	4.3	3.5	3.0	3.5
2" - 2 1/4"	14.4	9.3	9.0	14.3
2 1/4" - 2 1/2"	21.5	15.4	14.2	17.4
2 1/2" - 3 1/2"	49.9	60.1	63.1	54.7
3 1/2" - 4"	4.4	6.5	6.3	3.8
4" and over	1.6	0.5	0.6	0.5

1/Gross yield basis. 2/Percent of net yield - adjusted for field loss.

Long Potatoes (Russet & Shepody), Size Categories 1/ 2002 Crop

Size	ID 2/	MN	ND	OR	WA	WI
Percent						
1 1/2" - 1 5/8"	1.7	1.8	1.3	1.0	1.2	3.6
1 5/8" - 1 7/8"	4.9	9.3	6.1	3.2	4.3	8.1
1 7/8" - 2"	3.7	4.0	4.1	2.4	3.5	7.0
2" and over						
4 - 6 oz 3/	21.8	24.8	23.5	18.3	23.1	32.9
6 oz	8.2	12.4	11.3	8.8	9.6	11.9
7 oz	8.4	11.0	9.5	8.6	9.7	9.0
8 oz	7.1	7.8	9.1	7.3	8.7	7.7
9 oz	6.3	6.9	6.1	8.1	6.8	5.2
10 oz	5.7	5.6	7.6	6.4	5.7	4.3
11 oz	5.0	4.3	4.3	5.3	5.0	3.3
12 oz	4.2	2.8	3.7	5.2	4.1	2.5
13 oz	3.9	3.3	2.8	4.5	3.7	1.4
14 oz and over	19.1	6.0	10.6	20.9	14.6	3.1

1/Gross yield basis. 2/Russets only. 3/Includes potatoes less than 2" but over 4 oz.

Grading Categories of Potatoes, 2002 Crop 1/

Grade	Round White Potatoes				Long Potatoes (Russet & Shepody)						
	ME 2/	MN	ND	WI 3/	ID 4/	ME 2/	MN	ND	OR	WA	WI 3/
	Percent				Percent						
U.S. No. 1 5/	83	79	89	67	68	76	74	78	76	72	69
U.S. No. 2 6/	11	11	10	14	31	17	23	19	23	27	15
Culls	6	10	1	19	1	7	3	3	1	1	16

1/Gross yield basis. 2/Percent of net yield - adjusted for field loss. 3/1 7/8 in. minimum for No. 2's. Culls include potatoes less than 1 7/8 in. but greater than or equal to 1 1/2 in. 4/Russets only. 5/2 in. or 4 oz. minimum. 6/Processing usable or 1 1/2 in. minimum.

Fall Potatoes, 2002

State	Planted	Harvested	Yield per acre	Production
	1,000 acres		Cwt.	1,000 cwt.
Idaho	375.0	373.0	358	133,385
Maine	64.0	64.0	265	16,960
Minnesota	61.0	55.0	340	18,700
North Dakota	118.0	102.0	230	23,460
Oregon	50.0	49.8	501	24,936
Washington	170.0	170.0	560	95,200
Wisconsin	85.0	83.0	375	31,125
Total	1,144.2	1,114.8	374	417,228

Source: Wisconsin Agricultural Statistics Service.